

**AMENDMENTS TO THE CLAIMS:**

Please amend the claims, as indicated below. This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Currently Amended) An electrode for treatment, wherein in treatment use, a plurality of treatment electrodes are prepared so that each treatment electrode receives a control signal for control transmitted from a controller, comprising:
  - an electric power source;
  - a conducting pad for attaching to a part of a human body;
  - a treatment current supplying means, coupled to said electric power source, for supplying a pulsed current to [[a]] said body part to which said conducting pad is attached on an electric power supply from said electric power source;
  - a receiving means for receiving a radio control signal proper for said treatment electrode transmitted from said controller ~~at radio transmission~~; and
  - a controlling means for controlling the operation of said treatment electrode through said treatment current supplying means on the basis of said radio control signal received by said receiving means ~~at radio transmission~~.

2. (Original) The treatment electrode according to claim 1, wherein said treatment current supplying means is configured so as to stop the supply of said pulsed current at a given period.
3. (Original) The treatment electrode according to claim 1, wherein said conducting pad is comprised of a plurality of conducting pads.
4. (Original) The treatment electrode according to claim 3, further comprising a conducting pad connector for electrically and mechanically connecting said plurality of pads, wherein the length of said conducting pad connector is changeable.
5. (Original) The treatment electrode according to claim 3, further comprising a conducting pad connector for electrically and mechanically connecting said plurality of pads, wherein said conducting pad connector is flexible.
6. (Original) The treatment electrode according to claim 1, further comprising an impedance measuring means for measuring the impedance of said body part to which said conducting pad is attached by flowing a measuring current in said body part.
7. (Previously Presented) The treatment electrode according to claim 6, further comprising an impedance information transmitting means for transmitting a

measurement result in impedance by said impedance measuring means to the controller at radio transmission, wherein said receiving means receives, as said control signal, treatment controlling information corresponding to at least one selected from the group consisting of a body fat, a muscle bulk, a bone mass, and a water content of said body part which are calculated from the measured impedances at said controller.

8. (Previously Presented) The treatment electrode according to claim 7, wherein said controlling means varies at least one of an output and a frequency of said pulsed current to be supplied to said human body by said treatment current supplying means on, as said control signal, said treatment controlling information corresponding to said body fat, said muscle bulk, said bone mass, and said water content of said body part.
9. (Original) The treatment electrode according to claim 8, wherein said controlling means varies the width of said pulsed current commensurate with the degree of the body fat of said body part which is calculated.
10. (Original) The treatment electrode according to claim 1, further comprising a pad adhering means for adhering said conducting pad to said human body.

11. (Original) The treatment electrode according to claim 10, wherein said pad adhering means is configured such that said conducting pad is made of an adhesive sheet with electric conduction.
12. (Original) The treatment electrode according to claim 1, wherein said conducting pad is comprised of a plurality of conducting pads commensurate with different kinds of shapes of said body part.
13. (Original) The treatment electrode according to claim 12, further comprising a clothing with said plurality of conducting pads which are fixed so as to be contacted to said body part at treatment.
14. (Original) The treatment electrode according to claim 1, further comprising a number of heart beat detecting means for detecting the number of heart beat through said conducting pad to be contacted to said body part.
15. (Withdrawn) A device for treatment, comprising:
  - a treatment electrode as defined in claim 1; and
  - a controller for controlling said treatment electrode,
  - said controller including:
    - an input means for inputting information about said treatment;
    - a control signal generating means for generating a control signal on said information input by said input means; and

a control signal transmitting means for transmitting said control signal generated by said control signal generating means to said treatment electrode at radio transmission.

16. (Withdrawn) The treatment device according to claim 15, further comprising a plurality of conducting pads.
17. (Withdrawn) The treatment device according to claim 15, wherein said controller further includes a pulsed current supply selecting means which is configured so as to switchably select a pair of conducting pads or a pair of treatment electrodes for supplying a pulsed current through a treatment current supplying means from among three or more conducting pads or treatment electrodes.
18. (Withdrawn) The treatment device according to claim 15, wherein said pulsed current supply selecting means is configured so as to switchably and successively select said pair of conducting pads, or said pair of treatment electrodes so that said pulsed current is supplied successively through the successively selected pair of conducting pads or treatment electrodes.
19. (Withdrawn) The treatment device according to claim 15, wherein said treatment electrode includes an impedance measuring means for measuring the impedance of said body part to which said conducting pad is attached by flowing a measuring current in said body part, and said controller includes a selecting

means which is configured so as to switchably select a pair of conducting pads or a pair of treatment electrodes for measuring an impedance of said body part through an impedance measuring means from among three or more conducting pads or treatment electrodes.

20. (Withdrawn) The treatment device according to claim 15, wherein  
said treatment electrode further includes an impedance measuring means for measuring the impedance of said body part to which said conducting pad is attached by flowing a measuring current in said body part, and  
said controller further includes:  
an impedance information receiving means for receiving, at radio transmission, an impedance measurement result of said body part which is measured by said impedance measuring means from said treatment electrode;  
a calculating means for calculating at least one selected from the group consisting of the body fat, the muscle bulk, the bone mass and the water content of said body part on the measured impedance received by said impedance information receiving means;  
a control signal generating means for generating treatment information as a control signal on the calculated result by said calculating means; and

a control signal transmitting means for transmitting, at radio transmission, said control signal generated by said control signal generating means.